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## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 60-130398

(43)Date of publication of application : 11.07.1985

(51)Int.Cl.

C12Q 1/04

(21)Application number : 58-237429

(71)Applicant : KURITA WATER IND LTD

(22)Date of filing : 16.12.1983

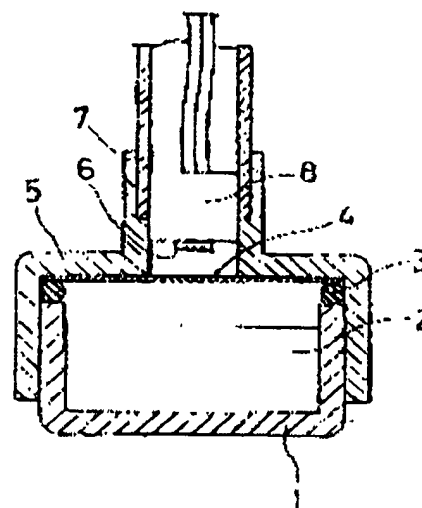
(72)Inventor : NISHIKAWA SHOZO  
SAKAI AKISHIRO

## (54) DETECTION OF MICROORGANISM

## (57)Abstract:

PURPOSE: To make detection of microorganisms possible by a simple device and operation, by detecting a gas evolved by cultivation by a gas sensor, measuring time from beginning of cultivation to the detection of gas.

CONSTITUTION: In a detector having the container 1 storing the culture 2, the cover 5 having the opening part 6 at least one part, and the gas sensor 8 inserted into the opening part 6, a test specimen is added to a medium, cultivation is carried out, a gas evolved by the cultivation is detected by the gas sensor 8, and microorganisms are detected from time from beginning of the cultivation to the detection of gas. Namely, the microorganisms can be detected by a simple device and operation in a short time without using a specific reagent except the medium. Since a gas can be detected by a gas sensor, and immersion of the gas sensor in a liquid is not required, neither the sensor is contaminated nor various germs are added to the medium, and microorganisms can be accurately detected.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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